

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/575,552

Source: IFWP

Date Processed by STIC: 10/25/06

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IFWP

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/575,552

DATE: 10/25/2006
 TIME: 08:57:16

Input Set : A:\1034123-000218.ST25.txt
 Output Set: N:\CRF4\10252006\J575552.raw

3 <110> APPLICANT: Gallo, Richard
 4 Murakami, Masamoto
 6 <120> TITLE OF INVENTION: HUMAN CATHELICIDIN ANTIMICROBIAL PEPTIDES
 8 <130> FILE REFERENCE: 1034123-000218
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/575,552
 11 <141> CURRENT FILING DATE: 2006-04-11
 13 <150> PRIOR APPLICATION NUMBER: US 60/512,953
 14 <151> PRIOR FILING DATE: 2003-10-21
 16 <150> PRIOR APPLICATION NUMBER: PCT/US2004/034911
 17 <151> PRIOR FILING DATE: 2004-10-20
 19 <160> NUMBER OF SEQ ID NOS: 34
 21 <170> SOFTWARE: PatentIn version 3.3
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 11
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Homo sapiens
 29 <220> FEATURE:
W--> 30 <221> NAME/KEY: X
 31 <222> LOCATION: (1)..(2)
 32 <223> OTHER INFORMATION: K or R
 34 <220> FEATURE:
W--> 35 <221> NAME/KEY: X
 36 <222> LOCATION: (3)..(3)
 37 <223> OTHER INFORMATION: I or K
 39 <220> FEATURE:
W--> 40 <221> NAME/KEY: X
 41 <222> LOCATION: (4)..(4)
 42 <223> OTHER INFORMATION: V or G
 44 <220> FEATURE:
W--> 45 <221> NAME/KEY: X
 46 <222> LOCATION: (5)..(5)
 47 <223> OTHER INFORMATION: Q or R
 49 <220> FEATURE:
W--> 50 <221> NAME/KEY: X
 51 <222> LOCATION: (6)..(6)
 52 <223> OTHER INFORMATION: K or R
 54 <220> FEATURE:
W--> 55 <221> NAME/KEY: X
 56 <222> LOCATION: (7)..(7)
 57 <223> OTHER INFORMATION: any amino acid
 59 <220> FEATURE:
W--> 60 <221> NAME/KEY: X
 61 <222> LOCATION: (8)..(8)

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62 <223> OTHER INFORMATION: L or F
 64 <220> FEATURE:
W--> 65 <221> NAME/KEY: X
 66 <222> LOCATION: (9)..(11)
 67 <223> OTHER INFORMATION: any amino acid
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W--> 71 Xaa Xaa
 72 1 5 10
 75 <210> SEQ ID NO: 2
 76 <211> LENGTH: 11
 77 <212> TYPE: PRT
 78 <213> ORGANISM: Homo sapiens
 80 <400> SEQUENCE: 2
 82 Lys Arg Ile Val Gln Arg Ile Lys Asp Val Phe
 83 1 5 10
 86 <210> SEQ ID NO: 3
 87 <211> LENGTH: 8
 88 <212> TYPE: PRT
 89 <213> ORGANISM: Homo sapiens
 91 <400> SEQUENCE: 3
 93 Arg Lys Ser Lys Glu Lys Ile Gly
 94 1 5
 97 <210> SEQ ID NO: 4
 98 <211> LENGTH: 8
 99 <212> TYPE: PRT
 100 <213> ORGANISM: Homo sapiens
 102 <400> SEQUENCE: 4
 104 Lys Ser Lys Glu Lys Ile Gly Lys
 105 1 5
 108 <210> SEQ ID NO: 5
 109 <211> LENGTH: 739
 110 <212> TYPE: DNA
 111 <213> ORGANISM: Homo sapiens
 113 <400> SEQUENCE: 5
 114 taaagcaaac cccagccccac accctggcag gcagccaggg atgggtggat caggaaggct 60
 116 cctgggtggg cttttgcatac aggctcaggc tggcataaaa ggaggctcct gtgggctaga 120
 118 gggaggcaga catggggacc atgaagaccc aaaggatgg ccactccctg gggcggtgg 180
 120 cactgggtct cctgctgctg ggcctggta tgcctctggc catcattgccc cagtcctca 240
 122 gctacaagga agctgtgtt cgtgtatag atggcatcaa ccagcgttcc tcgatgtcta 300
 124 acctctaccg cctccctggac ctggacccca ggcccacgtt ggatggggac ccagacacgc 360
 126 caaaggcctgt gagcttcaca gtgaaggaga cagtgtgcc caggacgaca cagcagtcac 420
 128 cagaggattg tgacttcaag aaggacgggc tggtaagcg gtgtatgggg acagtgaccc 480
 130 tcaaccaggc caggggctcc tttgacatca gttgtataa ggataacaag agatttgccc 540
 132 tgcgggtga tttctccgg aaatctaaag agaagattgg caaagagttt aaaagaattt 600
 134 tccagagaat caaggatttt ttgcggaaatc ttgtacccag gacagagttcc tagtgtgtgc 660
 136 cctaccctgg ctcaggttc tggctctga gaaataaaact atgagagcaa tttcaaaaaaa 720
 138 aaaaaaaaaa aaaaaaaaaa 739
 141 <210> SEQ ID NO: 6
 142 <211> LENGTH: 170

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143 <212> TYPE: PRT
 144 <213> ORGANISM: Homo sapiens
 146 <400> SEQUENCE: 6
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 152 Leu Leu Leu Leu Gly Leu Val Met Pro Leu Ala Ile Ile Ala Gln Val
 153 20 25 30
 156 Leu Ser Tyr Lys Glu Ala Val Leu Arg Ala Ile Asp Gly Ile Asn Gln
 157 35 40 45
 160 Arg Ser Ser Asp Ala Asn Leu Tyr Arg Leu Leu Asp Leu Asp Pro Arg
 161 50 55 60
 164 Pro Thr Met Asp Gly Asp Pro Asp Thr Pro Lys Pro Val Ser Phe Thr
 165 65 70 75 80
 168 Val Lys Glu Thr Val Cys Pro Arg Thr Thr Gln Gln Ser Pro Glu Asp
 169 85 90 95
 172 Cys Asp Phe Lys Lys Asp Gly Leu Val Lys Arg Cys Met Gly Thr Val
 173 100 105 110
 176 Thr Leu Asn Gln Ala Arg Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp
 177 115 120 125
 180 Asn Lys Arg Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu
 181 130 135 140
 184 Lys Ile Gly Lys Glu Phe Lys Arg Ile Val Gln Arg Ile Asp Asp Phe
 185 145 150 155 160
 188 Leu Arg Asn Leu Val Pro Arg Thr Glu Ser
 189 165 170
 192 <210> SEQ ID NO: 7
 193 <211> LENGTH: 519
 194 <212> TYPE: DNA
 195 <213> ORGANISM: Homo sapiens
 197 <400> SEQUENCE: 7
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 200 ctactgggcc tgggggttctc ccagacccccc agctacaggg atgctgtctt ccgagctgtg 120
 202 gatgacttca accagcagtc cctagacacc aatctctacc gtctccttggc cctggatcct 180
 204 gagccccaaag gggacgagga tccagatact cccaaatcttg tgagggttccg agtgaaggag 240
 206 actgttatgtg gcaaggcaga gcggcagcta cctgagcaat gtgccttcaa ggaacagggg 300
 208 gtggtaaaggc agtgtatggg ggcagtccacc ctgaacccgg ccgctgattt ttttgacatc 360
 210 agctgttaacg agcctggtgc acagccctt cggtaaga aaatttcccg gctggctgg 420
 212 cttctccgca aagggtggga gaagatttgt gaaaagctta agaaaattgg ccagaaaatt 480
 214 aagaattttt ttccaaaaact tgtccctca g ccagatgc 519
 217 <210> SEQ ID NO: 8
 218 <211> LENGTH: 173
 219 <212> TYPE: PRT
 220 <213> ORGANISM: murine
 222 <400> SEQUENCE: 8
 224 Met Gln Phe Gln Arg Asp Val Pro Ser Leu Trp Leu Trp Arg Ser Leu
 225 1 5 10 15
 228 Ser Leu Leu Leu Leu Gly Leu Gly Phe Ser Gln Thr Pro Ser Tyr
 229 20 25 30
 232 Arg Asp Ala Val Leu Arg Ala Val Asp Asp Phe Asn Gln Gln Ser Leu

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233      35          40          45
236 Asp Thr Asn Leu Tyr Arg Leu Leu Asp Leu Asp Pro Glu Pro Gln Gly
237      50          55          60
240 Asp Glu Asp Pro Asp Thr Pro Lys Ser Val Arg Phe Arg Val Lys Glu
241 65      70          75          80
244 Thr Val Cys Gly Lys Ala Glu Arg Gln Leu Pro Glu Gln Cys Ala Phe
245      85          90          95
248 Lys Glu Gln Gly Val Val Lys Gln Cys Met Gly Ala Val Thr Leu Asn
249      100         105         110
252 Pro Ala Ala Asp Ser Phe Asp Ile Ser Cys Asn Glu Pro Gly Ala Gln
253      115         120         125
256 Pro Phe Arg Phe Lys Lys Ile Ser Arg Leu Ala Gly Leu Leu Arg Lys
257      130         135         140
260 Gly Gly Glu Lys Ile Gly Glu Lys Leu Lys Lys Ile Gly Gln Lys Ile
261 145      150         155         160
264 Lys Asn Phe Phe Gln Lys Leu Val Pro Gln Pro Glu Gln
265      165         170
268 <210> SEQ ID NO: 9
269 <211> LENGTH: 172
270 <212> TYPE: PRT
271 <213> ORGANISM: canine
273 <400> SEQUENCE: 9
275 Met Glu Thr Gln Lys Asp Ser Pro Ser Leu Gly Arg Trp Ser Leu Leu
276 1      5          10          15
279 Leu Leu Leu Leu Gly Leu Val Ile Thr Pro Ala Ala Ser Arg Ala Leu
280      20         25          30
283 Ser Tyr Arg Glu Ala Val Leu Arg Ala Val Asn Gly Phe Asn Gln Arg
284      35         40          45
287 Ser Ser Glu Glu Asn Leu Tyr Arg Leu Leu Gln Leu Asn Ser Gln Pro
288      50         55          60
291 Lys Gly Asp Glu Asp Pro Asn Ile Pro Lys Pro Val Ser Phe Thr Val
292 65      70          75          80
295 Lys Glu Thr Val Cys Pro Lys Thr Thr Gln Gln Pro Leu Glu Gln Cys
296      85         90          95
299 Gly Phe Lys Asp Asn Gly Leu Val Lys Gln Cys Glu Gly Thr Val Ile
300      100        105         110
303 Leu Asp Glu Asp Thr Gly Tyr Phe Asp Leu Asn Cys Asp Ser Ile Leu
304      115        120         125
307 Gln Val Lys Lys Ile Asp Arg Leu Lys Glu Leu Ile Thr Thr Gly Ala
308      130        135         140
311 Gln Lys Ile Gly Lys Lys Ile Arg Arg Ile Gly Gln Arg Ile Lys Asp
312 145      150         155         160
315 Phe Leu Lys Asn Leu Gln Pro Arg Glu Glu Lys Ser
316      165         170
319 <210> SEQ ID NO: 10
320 <211> LENGTH: 172
321 <212> TYPE: PRT
322 <213> ORGANISM: porcine
324 <400> SEQUENCE: 10

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326 Met Glu Thr Gln Arg Ala Ser Leu Cys Leu Gly Arg Trp Ser Leu Trp
 327 1 5 10 15
 330 Leu Leu Leu Leu Ala Leu Val Val Pro Ser Ala Ser Ala Gln Ala Leu
 331 20 25 30
 334 Ser Tyr Arg Glu Ala Val Leu Arg Ala Val Asp Arg Leu Asn Glu Gln
 335 35 40 45
 338 Ser Ser Glu Ala Asn Leu Tyr Arg Leu Leu Glu Leu Asp Gln Pro Pro
 339 50 55 60
 342 Lys Ala Asp Glu Asp Pro Gly Thr Pro Lys Pro Val Ser Phe Thr Val
 343 65 70 75 80
 346 Lys Glu Thr Val Cys Pro Arg Pro Thr Arg Gln Pro Pro Glu Leu Cys
 347 85 90 95
 350 Asp Phe Lys Glu Asn Gly Arg Val Lys Gln Cys Val Gly Thr Val Thr
 351 100 105 110
 354 Leu Asn Pro Ser Ile His Ser Leu Asp Ile Ser Cys Asn Glu Ile Gln
 355 115 120 125
 358 Ser Val Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro
 359 130 135 140
 362 Pro Pro Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe
 363 145 150 155 160
 366 Pro Pro Arg Phe Pro Pro Arg Phe Pro Gly Lys Arg
 367 165 170
 370 <210> SEQ ID NO: 11
 371 <211> LENGTH: 176
 372 <212> TYPE: PRT
 373 <213> ORGANISM: goat
 375 <400> SEQUENCE: 11
 377 Met Glu Thr Gln Gly Ala Ser Leu Ser Leu Gly Arg Trp Ser Leu Trp
 378 1 5 10 15
 381 Leu Leu Leu Leu Gly Leu Val Val Pro Leu Ala Ser Ala Gln Ala Leu
 382 20 25 30
 385 Ser Tyr Arg Glu Ala Val Leu Arg Ala Val Gly Gln Leu Asn Glu Arg
 386 35 40 45
 389 Ser Ser Glu Ala Asn Leu Tyr Arg Leu Leu Glu Leu Asp Pro Ala Pro
 390 50 55 60
 393 Asn Asp Glu Val Asp Pro Gly Thr Arg Lys Pro Val Ser Phe Thr Val
 394 65 70 75 80
 397 Lys Glu Thr Val Cys Pro Arg Thr Thr Gln Gln Pro Pro Glu Glu Cys
 398 85 90 95
 401 Asp Phe Lys Glu Asn Gly Leu Val Lys Gln Cys Val Gly Thr Val Thr
 402 100 105 110
 405 Leu Asp Pro Ser Asn Asp Gln Phe Asp Ile Asn Cys Asn Glu Leu Gln
 406 115 120 125
 409 Ser Val Arg Phe Arg Pro Pro Ile Arg Arg Pro Pro Ile Arg Pro Pro
 410 130 135 140
 413 Phe Asn Pro Pro Phe Arg Pro Pro Val Arg Pro Pro Phe Arg Pro Pro
 414 145 150 155 160
 417 Phe Arg Pro Pro Phe Arg Pro Pro Ile Gly Pro Phe Pro Gly Arg Arg
 418 165 170 175

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/25/2006
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY

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Input Set : A:\1034123-000218.ST25.txt

Output Set: N:\CRF4\10252006\J575552.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:30 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:35 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:40 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:45 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:50 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:55 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:60 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:65 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0